

# WEI SHI

## SOFTWARE ENGINEER

Wichita, KS  
hello@shixwei.com



[shixwei.com](http://shixwei.com)



[github.com/weiish](https://github.com/weiish)



[linkedin.com/in/wshi/](https://linkedin.com/in/wshi/)

## SUMMARY

I'm a self-taught developer with two years of experience wearing many hats in a small high-tech company. I believe in life-long learning, so I'm fully prepared to adapt to the job at hand.

## SKILLS

### Languages

Javascript  
C# (Unity)

Python  
MATLab

### Front-End

React  
HTML5  
Sass

Redux  
CSS

### Back-End

Node.js  
Socket.io

Express.js  
REST APIs

### Databases

MySQL  
MongoDB

Mongoose

### Other

Git  
Adobe Illustrator  
Adobe After Effects

Heroku  
Blender  
OOP

## EXPERIENCE

### Software Engineer and Operations

May 2016 - Feb 2019

UAVradars LLC, Lawrence, KS

- Conducted data analysis and rigorous testing using MATLAB to calibrate collision avoidance radars for unmanned aerial vehicles.
- Designed, implemented, and optimized software that monitors live radar data and GPS/INS during manned aircraft flight tests, improving common workflow speeds by over 100%.
- Maintained company website with WordPress, managed company taxes and payroll, created 3D model of radar using Blender, & animated company video.

### Manufacturing Intern

Jun 2015 - Aug 2015

Boston Scientific, Heredia, Costa Rica

- Refined manufacturing process in Blazer Dx-20 product line by analyzing and testing key steps.

## PERSONAL PROJECTS

For code and demos please visit [shixwei.com](http://shixwei.com)

### Type-Royale

Jul 2019 - Sep 2019

- Web app, real-time multiplayer typing battle-royale game, with lobbies, spectating, and invite via links.
- Node, React, and Socket.io.

### Emaily

May 2019 - Jul 2019

- Web app for sending yes/no surveys via email as a paid service.
- MERN stack, Google OAuth, Stripe API, SendGrid API.

### Backtrack

Mar 2019 - Sep 2019

- Two productivity apps to log and visualize computer time usage.
- For managing my self-study time.
- Python app for collecting data and Electron app for visualizing data.

### Discord Bots

Nov 2018 - Jul 2019

- Count Bot, developed for a server that wanted to do multiplayer counting. (JavaScript, MySQL Amazon RDS)
- Triple Triad Bot, to play a card game in discord. (Python, MySQL)

### Unity Game Engine Projects

May 2016 - Feb 2019

- I love video games, and I enjoy building game projects with Unity
- Attended the 2019 ICT Game Jam, where I developed Chicken Nightmare with a team over two days.

## EDUCATION

Bachelor of Science, Bioengineering  
Rice University

May 2015  
Houston, TX